

F. R. Fosberg

RECORD

F. R. Fosberg

Collection Number Book
7

No. 18200 — 19036

May 25, 1941 — Sept. 1, 1942

Eastern U.S.

1.

Pages

VIRGINIA

Fairfax Co., Sleepy Hollow, along Tripps
Run 18500-18556 ... 50-57

DISTRICT OF COLUMBIA

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VIRGINIA

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Collection and Field Note Book

No. 7

May 25, 1941 - Sept. 1, 1942

(Nos. 18200 - 19036)

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1.

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Collection and Field Note Book

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Shenandoah Nat. Park, west from Swift Run Gap,	
Blue Ridge Mts., Rockingham Co., Hawley	
Springs, Dry Run, 6 mi. n.w. of Hawley Springs,	
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n.w. of Annandale, near s. of Merrifield,
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MARYLAND - Prince Georges Co., Beltsville,

Soldiers Delight (ridge) n. of Harrisonville,
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Calvert Co., Solomon's Island, mouth of Patuxent
River 18454-18499 4

Beltsville, Md.

April 12, 1945

Dr. Frans Verdoorn

P. O. Box 151

Waltham, Mass.

Dear Verdoorn:

I guess we won't have to bother with anything about the Cinchona job, as Morrison has managed to scrape up enough money to get started on it. I will probably accept his proposition even though I am not at all satisfied with it. Moore and his outfit have completely fallen down on their agreement about the business. They are, I think, taking advantage of the fact that I am enough interested to consider the thing even at some sacrifice, and getting it done for less money. I do not think they will profit any in the long run, but I doubt that any of them are able to look that far ahead.

You were certainly kind to call on the other night to suggest a solution.

It would be only as a last resort that I would be forced to work on it employed by the Cinchona growers, as there is an extreme prejudice on that score here in Washington, and there is no doubt that ~~the agencies~~ the agencies concerned here would prevent me from access to any of the data or specimens and the whole job would have to be done all over again, starting only with the data that I have in my head and in my own notebooks. I don't quite understand such a point of view, but it certainly exists. The only way such an interest, even Herck's, here could help in such a research would be to give the money to an institution like the Smithsonian to be used for the purpose. This would give these agencies at least the illusion of being able to control the sort of results that could be published.

I severed my connection yesterday with the FEA and am going to take a few days rest and perhaps a trip to Philadelphia and New York while my transfer is being arranged. If I get any encouragement on the items that I intend to talk about in New York I may write to you concerning them.

Although I haven't yet definitely accepted Morrison's proposition, I very probably will, and then my official address will be § Bureau of Plant Industry, Beltsville, Md. However, I will continue to have all mail sent to my home address in Falls Church.

Best wishes for a complete recovery from your recent operation.

Sincerely,

F. R. Fosberg

Belleville, Ill.
April 12, 1943

Mr. Alfred W. Carr
American Embassy
Bogota, Colombia

Dear Mr. Carr:

Yesterday my connection with the ITA terminated, except for a period of leave without pay while I am being transferred to the Dept. of Agriculture. I am not at all sorry, as the sponsors of the organization is not one in which I thrive.

The Dept. of Agriculture is taking over the botanical research as it stands, but in a half-hearted sort of way which disappoints me very much. However, it will give me an opportunity to make something out of it and to work for further support later on to enable me to complete it.

I would greatly appreciate it if you would ask Al Felt for an efficiency rating blank, fill it out for me right away for the period of March 1, 1942-March 1, 1943. I will use it in discussions about my transfer and status in the DUSA. Furthermore, I have no feeling of confidence in getting a fair rating from anyone here in the office in Washington, and in fact, no one there has any right to make such a rating. Please turn this blank over to Felt as soon as possible and see that he sends it right away.

This will be my last official contact with you, I presume, but I hope that when you return we may get together and discuss the affairs of the universe.

Drew and Fearless are here. Drew is not having much success in getting a reassignment, nor did Drew have any.

Very sincerely,

F. E. Fosberg

F. R. Fosberg

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A BOORUM & PEASE PRODUCT

Sleepy Hollow, near Tripps Run

Fairfax Co. May 25, 1941

moist rich wooded bottom
land near stream

18200 Geranium

wet ground

01 Carex

02 *Arisaema triphyllum* var. *montanum* Fern.

03 *Viburnum*

same loc. desiccating marsh

04 *Juncus*

05 *Carex lucida*

06 *Carex*

07 *Orsisyrrhynchium*

same loc. dry knoll with
scattered young pines and
some young deciduous trees.

08 *Vicia*

09 *Rubus*

larger plants erect,
flowers pale, dull pink.
small tufts.

erect, stout, stem brownish
purple, leaves green, not at
all glaucous. tubular
part of spathe green and
white striped but not
fluted, flaps green outside,
purplish black within,
corn rounded on bottom,
bearing roots only on the flat top.
shrub 3 m. tall, flowers white.

erect, dense clumps.
small spreading clumps,
spikes pale green.
plants loosely spreading.
small tufts, stems
spreading, flattened, roots
yellow, flowers bright
blue-lavender with yellow center.

plant weak, flower bright
purple.

plants solitary, erect, flowers white.

- 18210 *Hedysotis purpurea* (L.) T. & G.
 ✓ 11 *Senecio pauperulus*
 12
 ✓ 13 *Anthoxanthum odoratum*
 14 *Panicum*
 ✓ 15 *Rumex acetosella*
 16 *Rubus*
 17 *Danthonia spicata*
 abundant in open spaces
 ✓ 18 *Chrysanthemum leucanthemum* L.
 ✓ 19 *Lepidium campestre*
 20 *Erigeron*
 21 *Trifolium*
 22 *Smilax*

near head of
 ravine running west from Swift
 Run Gap, Shenandoah Nat. Park,
 Blue Ridge Mts., Rockingham Co.

- 23 *Dryopteris acrostichum* (Jacq.) Wagn.
 24 *Hydrophyllum virginianum* L.
 wooded slope
 25 *Scutellaria serrata* Andr.
 slope
 26 *Arunum dioicum* (Walt.) Fern.
 slope
 27 *Populus deltoides* Marsh.
 ravine bottom near road

- small tufts, flowers ~~bright~~
 lavender-pink
 flowers bright orange-yellow.
 flowers white, in small
 scattered or in small
 tufts
 in small, strictly erect tufts.
 flowers yellow to reddish
 plant low-arching, rooting
 at tips of floricanes, fls. white.
 small tufts
 rays white, disk yellow.
 erect
 erect, rays white, disk yellow
 fls. lemon-yellow.
 leaves slightly glaucous
 beneath, prickles black,
 flowers yellow.

flowers whitish.

fls. bright lavender-blue, tube
 whitish.

buds whitish-green

tree 8 m. tall

13228. *Trillium erectum*
rich wooded bottom, near stream
29. *Botrychium virginianum* (L.) Sw.
wooded banks near stream
30. *Orchis spectabilis* L.
rich woods along stream
31. *Acer rubrum* L.
wooded bottom
32. *Lindera benzoin* (L.) Bl.
wooded bottom
33. *Betula lutea* Michx.
wooded bottom
34. *Mitella diphylla* L.
~~rich~~ wooded bottom
35. *Fagus grandifolia* Ehrh.
plentiful in ravine bottom
36. *Medeola virginiana* L.
wooded bottom
37. *Orobanche uniflora* L.
wooded bottom, under beech trees,
but possibly not parasitic
on them.
38. *Plantago virginica* L.
open disturbed slope
39. *Veronica arvensis* L. det. R. McVaugh
open disturbed slope
40. *Ranunculus bulbosus* L. det. R. F. Martin
opening in rich moist woods.
41. *Arabis laevigata* (Muhl.) Poir.
opening in rich moist woods.
42. *Ranunculus recurvatus* Poir.
opening in rich moist woods

fruit maroon, pedicel deflexed

~~white~~ ^{lavender} becoming
corolla marcescent, roots fleshy.

tree 3 m. tall, leaves
glaucous beneath
shrub 2 m. tall, aromatic
when bruised.

tree 10 m. tall, 1.5 dm. thick, bark
of trunk metallic ^{dark} yellow-gray,
splitting and peeling.
leaves dark green, seeds exposed

tree 15 m. tall, 2 dm. thick, bark
of trunk gray, specimen taken
from lower branches, sterile.
fls. greenish yellow with
dark red styles.

plants whitish, ~~corolla~~ ^{corolla}
pale lavender with ~~purple~~
violet hairs, especially
around margins of lobes.
pale green

erect

flowers bright yellow.

18243. *Laxifraga micranthodifolia* Haw.
edge of trickle of water
44. *Arisaema atrorubens*
rich woods
45. *Magnolia tripetala* L.
ravine bottom.
46. *Carex laxiculmis* Schwein.
shaded ravine bottom
47. *Carex gracillima* Schwein.
shaded ravine bottom
48. *Carex convoluta* Mack.
shaded ravine bottom
- 49a. *Carex radiata* (Wahl.) Dewey
shaded ravine bottom
50. *Poa pratensis*
moist shaded ground near stream
51. *Festuca obtusa*
shaded ravine bottom

Rawley Springs

Rockingham Co. May 27, 1941

Dry steep slope, partly
brushy, partly thin mixed woods.

52. *Amelanchier*
edge of woods
53. *Quercus*
edge of woods
54. *Vaccinium*
brushy slope

55. *Kalmia latifolia* L.
abundant on brushy slope
56. *Epigaea repens* L.
brushy slope

fls. white

leaves glaucous beneath
— spathe green, not fluted.
Tree 8 m. tall, 3 dm. through,
— fl. whitish, unpleasantly fragrant.
glaucous, spikes drooping.

loose clumps

small tuft

small tufts

erect

shrub 3 m. tall, ^{apparently} ripe berries
— red, bitter.

small tree 8 m. tall, ^{trunk} 1 dm. thick

leaves slightly glaucous beneath,
immature fruit very slightly
glaucous, calyx lobes reddish.

— plant 3-4 dm. tall, stems green.

shrub 1 m. tall, fls. pink,

— fragrant
prostrate, corollas dried.

- 18257 *Quercus ilicifolia*
brushy slope
58 *Xerophyllum asphodeloides* (L.) Nutt.
large colony on brushy slope

8 mi. ~~on~~ ⁱⁿ w. Rawley Springs
on e. slope of Shenandoah Mt.
Rockingham Co. May 28, 1941

- dry wooded slope
59 *Rubus*
road embankment, abundant
60 *Vaccinium*

61 *Gaultheria procumbens* L.

62 *Rhododendron nudiflorum* (L.) Torr.

63 *Vaccinium*

64 *Gaylussacia baccata* (L.) Wang.

65 *Vaccinium stamineum*

66 *Andromeda floribunda* Pursh

67 *Vicia caroliniana* Walt.

68 *Pedicularis canadensis* L.

shrub 1 m. tall.

small clumps, mostly
sterile, fls. white.

erect & arching, 1 m. tall,
fls. white.

plants 4 dm. tall, corolla
red, hypanthium glaucous.
stems brown, green at in
upper part.

prostrate stems greatly
elongate, berries red,
few.

shrub 1 m. tall, corolla tube
deep rose, lobes pinkish
white, unpleasantly
fragrant (like chestnut blossoms).

plants about 4 dm. tall,
stems brown, fls. greenish
yellow to reddish, hypanthium
glaucous.

plants 4-6 dm. tall.

fls. reddish, glaucous.

plant 4 dm. tall, fls. whitish
shrub, leaves dark green,

fruit immature.

fls. magenta.

somewhat aromatic

18269 *Vaccinium stamineum*

70

71 *Vaccinium*

72 *Vaccinium*

73 *Phlox ovata* L.

road cut.

74 *Rhododendron roseum* Rehd.

along Dry Run, 6 mi. n.w. of
Rawley Springs, Rockingham Co.

May 28, 1941

rich mixed woods on flat floor
of valley.

75 *Fagus grandifolia* Ehrh.

76 *Epifagus virginiana* (L.) Bart.
under beech trees

77 *Viola*

wet gravel in brook bed

78 *Viola*

79 *Viola*

wet gravel in brook bed

shrub 3-4 dm. tall, glaucous

fls. whitish.
plant with an oily odor,
fls. chrome yellow.

plant 4 dm. tall, stems
brown, berries greenish-
or pinkish-white.

leaves ^{slightly} glaucous beneath,
hypanthium somewhat

glaucous.
plant 1-2 dm. tall,
not glaucous except
hypanthium.

fls. rose turning magenta

shrub 1 m. tall, fls.
bright rose-pink, with
a carnation odor.

tree ~~off~~ 10 m. tall, 1 dm. thick,
bark dark gray
dried last year's plants

fls. white

fls. pale violet to whitish
beneath.

fls. blue-violet

- 18280 Rubus
thin woods ^{dry} in gravel
- 81 Sedum nevii Gray
thin woods
- 82 Acer
thin woods
- 83 Sanguinaria canadensis L.
thin woods
- 84 Carex
rich woods
- 85 Luzula
rich woods
- 86 Carex
rich woods
- 87 Carex ~~rich woods~~
rich woods
- 88 Viola
rich woods
- 89 Carex
rich woods
- 90 Carex
rich woods
- 91 Ranunculus alleghaniensis Britton
rich woods
- 92 Mitchella repens L.
rich woods
- 93 Potentilla
rich woods
- 94 Antennaria neodioica Greene
rich woods

- prostrate, fls. white
- plant fleshy, with many
rosettes at surface of litter,
scapes erect, fls. white
small tree, light green.
sterile
root orange red.
- clumps
- small tufts
- small tufts
- isolated plants
- erect, dark green
- small tufts
- spreading tufts,
glaucous
- prostrate, forming
mats, leaves dull dark
green above, with pale
midrib, pale beneath,
fruit red.
- ascending, petals yellow,
slightly emarginate.

18295

Hedyotis caerulea (L.) T. & G.
rich woods

96 *Aplectrum hyemale* (Muhl.) Torr.
rich woods, scattered

97 *Acer*

rich woods, shaded

98 *Menziesia pilosa* (Michx.) Pers.
rich woods

99 *Acer*rich woods, ~~shaded~~ shaded18300 *Mitella*

rich woods

01 *Orchis spectabilis* L.

rich woods

02 *Viola*

rich woods

03 *Viola*

rich woods

04 *Arisaema triphyllum* (L.) Schott.
rich woods

05 *Dirca palustris* L.

scattered small tufts,
corolla limb lavender,
throat yellow, tube
yellowish white.

erect from fleshy, translucent
white corm, leaves drying,
flowers with outer segments
brownish purple, inner
greenish yellow tipped with
purplish. fruit pendent.
corm with a "nutty" odor
when cut.

tree 10 m. tall, specimen
from lowest branch.

leaves rather light green.
shrub 1.5 m. tall, leaves
glaucous beneath, corolla
yellow with red lobes.
small tree, 7 m. tall.

~~sp.~~ yellowish green
needles exposed

corolla marcescent, fruit
erect.

erect, in fruit only.

~~not~~ flowers violet.

stems slightly pubescent.
leaves green on both
sides, not glaucous,
spathe green, not fluted
slightly purple-marked
within.

bush 1.5 m. tall, branches ~~drooping~~
~~at tips~~ drooping at tips, fruit green.

W. slope of New Market Gap,
Massanutten Mts.

May 28, 1941

19306

^{thinly} dry wooded slope
Pseudotsunidia montana Mack.
thin woods

07

thin woods

08

Carex
thin woods

09

Stellaria pubera Michx.
thin woods

10

Vaccinium
thin woods

11

Vaccinium
thin woods

12

Morus rubra L.
edge of woods.

Gallows Road
0.7 mi. n.w. of Masonville, 1.7 mi. n.w.
of Annandale, Fairfax Co. 100 m.

May 30, 1941

13

thin young second-growth woods.
Vaccinium

14

Kalmia latifolia L.

Gallows Road 0.3 mi. s. of Merrifield.
Fairfax Co. 110 m. May 30, 1941

15

dense second-growth woods
Gaylussacia baccata (L.) Wang.
edge of woods, along road.

~~plant~~ leaves with
somewhat glaucous
beneath, ^{flowers} ~~flowers~~ yellow
small tufts.

fls. ~~white~~ inconspicuous
bush 5 dm. tall.

bush ~~4-5 dm. tall~~ 4-5 dm. tall
glaucous
shrub 3 m. tall, fruit red.

bush 1.5 m. tall, with light
reddish-brown ^{smooth} bark, leaves
pale beneath. ~~Immature~~ fruit not glaucous.

bush 1.5 m. tall, flowers
white with red dots above
the anther-pockets.

bushes 6 dm. tall, fruit immature

18316 *Lyonia ligustrina*
edge of woods along road

17 *Vaccinium*

18 *Hedysotis purpurea* (L.) T. & G.

19 *Rhus quercifolia* Michx.
edge of woods along road

20 *Vaccinium*
abundant, forming definite understory
of vegetation

21 *Vaccinium*

22 *Castanea pumila*

23 *Pyrus*

2 mi. w. of Fairfax, Fairfax Co.
May 30, 1941

24 *Lonicera japonica* Thunb.
growing with 18325

25 *Lonicera japonica* Thunb.
growing with 18324

bush 1 m. tall, flowers
greenish white, scarcely
fragrant.

bush 1.5 m. tall, leaves
pale and venulose
beneath, immature
fruit slightly glaucous
~~the~~ leaves darker
green above, flowers
lavender.

plant erect, 6 dm. tall

plant 1-2 dm. tall, arching
stems green, leaves
glaucous beneath, immature
fruit glaucous.

bush 2 m. tall, bark dull
gray-brown, branches
horizontal and somewhat
distichous, immature
fruit not at all glaucous.

bush 2.5 m. tall, flowers
white, unpleasantly
fragrant.

slender shrub 2 m. tall,
lvs pale green beneath

woody vine, leaves with dark
red veins, fls. purplish-pink outside,
white inside, turning yellow, fragrant.
woody vine, leaves green, fls. white,
turning yellow, fragrant.

0.5 mi. s.w. of Germantown, nr. of
Fairfax ~~Co.~~ Fairfax Co. May 30, 1941.
old field.

218326 Carex

27 Oenothera fruticosa L.
with nos. 18328, 18329.

28 Oenothera fruticosa L.
with nos. 18327, 18329

29 Oenothera fruticosa L.
with nos. 18327, 18328

Accotink Creek, 1.5 mi. n.e. of
Fairfax, Fairfax Co. May 30, 1941
rich ^{deciduous} woods with large
beech and tulip trees

30

shaded bottom-land near stream

31

shaded bottom-land near stream

32 Dryopteris

base of great beech tree

33 Asarum

in deep litter, shaded bottom-land

34 Fagus grandifolia Ehrh.

~~flat~~ flat bottom-land, shaded

35 Adiantum pedatum L.

densely wooded slope,
thick undergrowth

36 Dryopteris

densely wooded slope, thick
undergrowth

loose clump
flowers rich yellow

erect, flowers rich yellow.

fls. rich yellow.

small tuft

flowers hidden in litter,
~~petals~~ bluntly 6 angled, lobes
maroon inside, reflexed
becoming more erect in fruit
small straight tree, 6 m. tall,
3 cm. thick, bark dull gray,
specimen from lower branches

rhizome buried

218337 *Languinaria canadensis* L.
densely wooded slope, with
thick undergrowth.

38 *Euonymus*

densely wooded slope, with
thick undergrowth

39 *Carex*

densely wooded slope,
with thick undergrowth

40 *Carpinus caroliniana*

dense woods, edge of road-
clearing, abundant

41 *Galium aparine* L.

abundant under great beeches

42 *Fagus grandifolia* Ehrh.

abundant in dense woods,
especially near stream

0.5 mi. s.e. of Merrifield, Fairfax Co.
dense second-growth woods.

June 1, 1941 alt. 100 m.

43 *Diospyros virginiana* L.

edge of road clearing

44 *Lysimachia quadrifolia*

edge of road clearing, filled
ground.

45 *Panicum*

edge of road clearing, filled ground

46 *Panicum*

edge of road clearing, filled ground

sap orange-red, root
fleshy, orange-red, capsule
dehiscing from base, leaves
very glaucous beneath,
slender, weak, elongate
shrub with dark green
bark, fls. greenish-yellow,
turning reddish.

tree 7 m. tall, 1-1.5 dm. thick,
bark dull gray, not
lead color,
weak annual, fruit green.

great tree, about 30 m. tall,
1 m. thick, bark dull gray,
sterile

small tree 3 m. tall, leaves
more or less distichous,
corolla white toward base,
lobes yellowish, opening
contracted

corolla lobes yellow, edged
with red, red inside
at base, stamens red,
thick clump, erect.

thick spreading clump.

- 217347 *Panicum*
edge of road clearing, filled ground
- 8 48 *Panicum*
edge of road clearing, filled ground
- 20 49 *Smilax glauca*
along trail, mixed woods
- 4 50 *Betula nigra*
mixed woods, near small streamlet
- 51 *Rubus*
opening in woods, near streamlet
- 20 52 *Acer rubrum* L. ^(growing with #18351)
edge of opening in woods
- 53 *Rubus*
opening in woods, near streamlet
growing with #18351
- 20 54 *Carex*
moist low place
- 20 55 *Vitis*
along trail in woods
- 20 56 *Urtica dioica*
low place, no undergrowth.
- 20 57 *Polystichum acrostichoides*
common in woods, this specimen from low moist place
- 3 58 *Dryopteris*
low wet place
- ✓ 59 *Arisaema triphyllum* (L.) Schott
low wet place
- 1 60 *Lisgrinchium*
low wet place

- small tufts, more or less erect,
dense clumps, somewhat
spreading.
leaves glaucous beneath,
somewhat variegated above,
flowers yellow-green.
tree 8 m. tall, bark
peeling and shaggy
primocanes erect, floricanes
low-arching, flowers white.
tree 10 m. tall, leaves
glaucous beneath.
primocanes erect, floricanes
low-arching, flowers white.
- small clump
- woody vine climbing
over trees, leaves green beneath,
with small tufts of white
hair in vein axils.
pronounced odor.
- fronds more or less erect
- leaves green, not glaucous,
beneath, spathe green, not fluted
inside of flap very slightly purplish.
tube white veined outside, white at base.
stems and leaves erect, fls.
blue, with yellow center.

- 18361 *Rubus*
low wet place
- 8 62 *Rhus vernix*
low marshy place
- 1 63 *Symplocarpus foetidus*
low marshy place
- 3 64 *Galium*
low marshy place
- ✓ 65 *Anacardium triphyllum* (L.) Schott
appr. var. *montanum*
low marshy place
- 1 66 *Juncus*
low marshy place
- 1 67 *Botrychium dissectum*
low marshy place, only one plant seen.
- 4 68 *Lycopodium obscurum* L.
abundant ~~and~~ at sides
of marshy depression
- 4 69 *Mitchella repens* L.
abundant in pine woods
- 1 70 *Lobelia*
pine woods with little underbrush
only one plant seen.
- 1 71 *Carex*
pine woods with little underbrush

- floricanes* almost prostrate,
rooting at tip, fls. white.
small tree 4 m. tall, 5 cm. thick.
- flowers green.
leaves forming a large
rosette, young fruit
at one side, spathe decayed
and crumbling off, herbaceous
with foul odor when bruised.
plants weak but erect,
flowers white.
- leaves green, not glaucous,
beneath, spathe white at
base, tube whitish, veined,
not fluted, flap green
outside dark purple within.
dense clumps, stems weak.
- blade reddish green
- branches flattened, plant
erect
- extensively creeping, last
years fruit scarlet, buds
and corolla lobes when flowers
first open pinkish-lavender,
mature flowers ~~pink~~ white,
pilose within.
- erect, flowers white
- small tufts, culms spreading

- 2 18372 *Veronica officinalis* L.
open pine woods, little underbrush
- 2 73 *Chimaphila maculata*
open pine woods, little underbrush

June 8, 1941

- 6 74 *Galium*
wooded bottom-land
near stream, moist soil
- 3 75 *Carex*
old clearing
- 2 76 *Acer*
~~leafy~~ open woods, canopy
dense overhead

June 8, 1941

- 3 77 *Vaccinium*
small elevated bog, dominated
by *Polytrichum* sp., with
some *Sphagnum*.
bushy margin of bog

- 4 78 *Cornandra*
abundant in opening in bushy
margin of bog.

creeping, erect at tips, fls.
pale lavender-blue, in
erect spikes.
leaves purplish green,
veins paler, buds white.

Calvertin Mt. Bogon "Lend Flat"
1/4 mi. e. of intersection of Ridge Rd.
with unnamed rd. near
elev. 1742 Frederick Co. June 9

Calvertin Mt. Valley of Little
Hunting Creek, w. of Salamander
Rock 1/2 mi. n. of road intersection
elev. 1492 Frederick Co. June 8

et from somewhat
base, flowers white.
plants

et 3 m. tall,
at green.

tall, lvs. glossy
green above, pale beneath,
immature fruit somewhat
glaucous, very few present
bark on old wood gray-brown,
shreddy, on young branches
green, turning reddish-brown.
plants only very slightly
glaucous, leaves thin, veins prominent
beneath, fls. whitish to purplish,
fruit immature

19372 *Veronica officinalis* L.
open pine woods, little underbrush

73 *Chimaphila maculata*
open pine woods, little underbrush

6 74 *Galium*
wooded b.
near st

3 75 *Carex*
old cle

2 76 *Acer*
~~deep red~~
dense r

3 77 *Vaccinium*
small cle
by *Polytrichum*
some sps
brushy

4 78 *Cornandra*
abundant in opening in brushy
margin of bog.

creeping, erect at tips, fls.
pale lavender-blue, in
erect spikes.

leaves purplish green,
veins paler, buds white.

plants erect from somewhat
decumbent base, flowers white.
scattered plants

small tree 3 m. tall,
clear light green.

shrub 1 m. tall, lvs. glossy
green above, pale beneath,
immature fruit somewhat
glaucous, very few present.
bark on old wood gray-brown,
shreddy, on young branches
green, turning reddish-brown.
plants only very slightly
glaucous, leaves thin, veins prominent
beneath, fls. whitish to purplish,
fruit immature

18372 *Veronica officinalis* L.
open pine woods, little underbrush

73 *Chimaphila maculata*
open pine woods, little underbrush

June 8, 1941

6 74 *Galium*
wooded bottom-land
near stream, moist soil

3 75 *Carex*
old clearing

2 76 *Acer*
~~deep~~ open woods, canopy
dense overhead

June 8, 1941

small elevated bog, dominated
by *Polytrichum* sp., with
some *Sphagnum*.

3 77 *Vaccinium*
brushy margin of bog

4 78 *Cornandra*
abundant in opening in brushy
margin of bog.

creeping, erect at tips, fls.
pale lavender-blue, in
erect spikes.
leaves purplish green,
veins paler, buds white.

plants erect from somewhat
decumbent base, flowers white.
scattered plants

small tree 3 m. tall,
clear light green.

shrub 1 m. tall, lvs. glossy
green above, pale beneath,
immature fruit somewhat
glaucous, very few present.
bark on old wood gray-brown,
shreddy, on young branches
green, turning reddish-brown.
plants only very slightly
glaucous, leaves thin, veins prominent
beneath, fls. whitish to purplish,
fruit immature

- 18379 *Rhododendron viscosum*
bushy margins of bog
growing in some numbers
with plants with clear
green leaves (#18780, 18791, 18782)

- 80 *Rhododendron viscosum*
bushy margins of bog,
growing with glaucous
leaved plants (#18779)

- 81 *Rhododendron viscosum*
bushy margins of bog,
growing with glaucous
leaved plants (#18779)

- 82 *Rhododendron viscosum*
bushy margins of bog
growing with glaucous
leaved plants (#18779)

Washington, D.C. June 12, 1941
cultivated as a street tree.

- 83 *Acer platanoides* L.

0.5 mi. s. of Great Falls, Fairfax Co.

50-90 m. June 15, 1941

Thickly wooded swamp and
wooded bluff above it.

- 84 *Hedysotis purpurea* (L.) T. & G.
edge of woods along road at top of bluff, sandy. 90 m.

shrubs 0.5-1 m. tall, leaves
glaucous, especially beneath,
flowers white with red
glands, red style, with
a delightful carnation odor.
collection from several plants.

shrub 3 dm. tall, ~~fls.~~ leaves
clear green, fls. white with
red glands, style white
with green stigma, with
carnation odor.

shrub 0.5 m. tall, leaves
clear green, fls. white
with red glands and style,
with delightful carnation
odor.

shrub almost 1 m. tall,
leaves clear green, fls.
white with red glands
and slightly pinkish
style with greenish-brown
stigma.

small tree 7 m. tall, bark
dark, leaves dark green,
fruit not quite mature

small tufts, fls. lavender pink, plants
quite variable in width & venation of leaves.

318385

*Vaccinium*edge of woods along road at top of bluff
90 m.86 *Monotropa uniflora* L.

steep slope

80 m.

87 *Aristolochia*

in crevices on rocky bluff

88

slopes near top of bluff

80 m.

89 *Panicum*

slopes near top of bluff

80 m.

90 *Vitis*

slopes near top of bluff

90 m.

91 *Scutellaria*

slopes near foot of bluff

60 m.

92 *Viola*

slopes near foot of bluff

60 m.

93 *Galium circaezans* Michx.

ledges on rocky bluff

60 m.

94 *Rhododendron viscosum*

opening in swamp, growing with #18395

50 m.

95 *Rhododendron viscosum*

opening in swamp, growing with #18394.

50 m.

96 *Lyonia ligustrina*

50 m.

bush 2 m. tall, bark gray, branches green, leaves somewhat venulose, berries partly ripe, slightly glaucous, ^{used once} sweetish, and with fair flavor.

plant translucent white, practically odorless, fls. brownish

small tufts of arching culms.

small tufts

woody vine climbing over trees, leaves glaucous beneath, inflorescence and tendrils reddish.

flowers lavender, with lower parts of tube white, leaves with veins darker green than rest of leaf, under side paler.

small tufts

shrub 3 m. tall, fls. white with red glands outside, style only reddish near apex, odor like carnations, leaves green, not glaucous.

shrub 3-4 m. tall, leaves green, not glaucous, flowers rose pink, with few red glands, style deep rose, odor like carnations.

shrub, fls. whitish.

- 113397 *Lysimachia*
in mud in swamp 50 m.
- 98 *Rhus vernix* L.
fairly common in swamp
- 99 *Vaccinium*
in swamp
- 313400 *Ilex*
in swamp
- 2 01 *Laurus cernuus*
in swamp, abundant
- 1 02 *Dioscorea villosa*
in swamp
- 1 03 *Hypoxis hirsuta*
in opening undertrees in swamp.
- 1 04 *Arisaema triphyllum*
abundant in swamp
- 1 05 *Arisaema triphyllum* L.
one small colony seen in swamp
- 3 06 *Lynnia*
in swamp
- 2 07 *Ilex*
in swamp, fairly common

- flowers yellow
- small tree 4 m. tall.
- shrub 2.5 m. tall. bark gray, shreddy, berries not mature, slightly glaucous, leaves not venulose.
- shrub 2 m. tall, fls. white.
- erect
- vine, leaves glaucous beneath, lower ones scattered. bulb deeply buried, fls. yellow
- leaves green beneath, not glaucous, spathe deep purple inside, green outside with whitish stripes on tube, not fluted. several young plants seen with lobed leaves.
- leaves green beneath, not glaucous, spathe pale green within and without, tube whitish, not fluted.
- shrub 2 m. tall.
- shrub 3 m. tall, fls. whitish, ~~star~~ fragrant, stamens yellow.

- 13403 *Arisaema triphyllum* L. var. *montanum* (Tuckerm.)
fairly common in swamp.

- 1 09 *Dryopteris* ~~boottii~~
rare in swamp
2 10 *Dryopteris cristata*
fairly common in swamp.

1 mile S.E. of Merrifield, along Holmes
Run Fairfax Co. June 15, 1941
Dense woods, mostly deciduous,
with some pines, with clearings.

alt. 95 m

- 1 11 *Oenothera tetragona*
opening along trail.
1 12 *Hedysotis caerulea* (L.) T. & G.
small colony on slightly elevated
place, little undergrowth
5 13 *Hedysotis purpurea* (L.) T. & G.
woods with little undergrowth
3 14 *Carex*
edge of woods, swampy place
1 15 *Carex*
edge of woods, swampy place
2 16 *Carex*
wet swaly meadow cleared in woods
1 17 *Carex*
wet swaly meadow cleared in woods
2 18 *Geum*
wet swaly meadow cleared in woods
2 19 *Carex*
wet swaly meadow cleared in woods,
abundant in wetter places.

leaves green beneath, not
glaucous, spathe deep
purple within, green without,
tube with whitish stripes,
not fluted.
fronds ascending to erect,
rhizome prostrate, ^{pinnal some-} what horizontal.
fronds erect, pinnae horizontal

~~erect~~
erect, fls. yellow

large clump, fls. lavender
pink, nerves visible in leaves.
2 or 3 culms spreading from
base, spikes pendent.
loose clump

small tufts

loose spreading tufts

erect, petals small, pale
yellowish.

- 318420 *Physocarpus opulifolius*
edge of woods
- 21 *Carex*
wet swaly meadow cleared in woods
- 22 *Salvia lyrata*
edge of woods in clearing
- 1.5 mi. s.w. of Falls Church, Fairfax Co.
dense brush in cut-over woods,
with a few trees standing
- 23 *Ilex*
- 24 *Lambucus canadensis* L.
edge of field
- 25 *Hedyotis purpurea* (L.) T. & G.
trail in brush, ~~in piney glade~~
- 26 *Myrica sylvatica* Marsh.
- 27 *Hedyotis purpurea* (L.) T. & G.
under pines
- 28 *Panstermon*
opening in brush.
- 29 *Scutellaria*
around edges of brush
- 30 *Uvularia perfoliata*
roadside in woods.
- 31 *Ceanothus americanus* L.
- 32 *Rosa*
edge of woods, wet place
- Slippy Hollow, along Tripps Run
1 mi. s. of Falls Church, Fairfax Co.
edge of thicket, low heavy soil
- 33 *Cornus*

June 22, 1941

shrub 1.5 m. tall, others 3 m. tall.
dense spreading clump.

June 19, 1941
alt. 110 m.

- shrub 2 m. tall, fls. white
- shrub 2.5 m. tall, fls. white
- small tufts, fls. lavender-pink
- tree 10 m. tall, bark ~~scaly~~ ^{scaly} gray,
fls. lavender-pink.
- fls. very pale lavender-pink,
almost white.
- fls. purple, paler on
underside.
- immature capsule 3-lobed.
- shrub 1 m. tall, fls. pinkish-
white.
- shrub ~~7~~ 7 dm tall, fls
pink, fragrant.
- shrub 1 m. tall, fls. white, fragrant

1941

Sleepy Hollow, along Tripps Run, 1 mi. S.
Falls Church, Fairfax Co. June 29, 1941

marshy place in open pasture

48434

Sagittaria

35 Juncus

36 Sagittaria
common

37 Eleocharis obtusa

~~very common~~

38 Carex

39 Carex

40 Myosotis

41 Galium

same, wooded bottom land near stream

42 Cryptotaenia canadensis

43 Geum

44 Ulmus americana

45 Lysimachia

46 Oenothera tetragona ^{Rock} var. typica Muhl.
Open brushy field, scattered
small scrub pines and deciduous trees.47 Quercus ~~bispala~~

48 Sericocarpus

large colony

49 Linum

50 Quercus palustris

51 Sambucus canadensis

52 Scutellaria

fls. greenish, pistils translucent
- whitish
- small clumps or solitary
fls. green.

forming clumps and
- sod.

- small clump

- small clumps or solitary

fls. blue-lavender, small.

plant erect, supported

by other plants, fls. white.

fls. white

petals ~~fls.~~ white.

tree 15 m. tall, bark rough,

- scaly gray.

fls. yellow with red center

plant erect, fls. bright

yellow, open ~~all~~ all day.

leaves green, not at all glaucous, beneath

tree 10 m. tall, leaves gray beneath.

plants in small clumps,

rays white

petals ~~fls.~~ ^{stern} striate, ^{searaly} ~~fls.~~ below,fls. butter-yellow, ^{anthers red,} capsulae

(immature) globose.

- tree 10 m. tall

- shrub 1 m. tall, fls. white,

- inflorescence flat-topped.

erect, fls. blue-violet, lower

part of throat white.

18453 *Trifolium*

Beltsville, Prince Georges Co. Md.

Acotunk Creek.

Soldiers Delight (ridge), 1-1.5 mi.
n. of Harrisonville, Baltimore Co. Md.

July 20, 1941

Alt. 200 m.

serpentine barren with
scattered oaks and a few
scrub pines56 *Oenothera perennis* L.57 *Viola*58 *Talinum teretifolium*
plant scattered59 *Asclepias (acutata) viridiflora*60 *Juncus*

small colony, edge of thin woods

61 *Paronychia*

small colony, edge of thin woods

62 *Quercus*

edge of thin woods

63 *Vaccinium*

edge of thin woods

fls. bright yellow

— fl. yellow, buds nodding
 — lvs. erect, with a slight
 bluish green cast, fruit only.
 leaves terete, fls. crimson.
 — stamens 15-16, yellow.
 — underground stem slender,
 elongate, fls. greenish.
 tufts, strictly erect.

tree 10 m. tall, spreading.

bushes 3 dm. tall, fruit
~~the~~ glaucous, leaves
 glaucous beneath.

- 18464 *Iscaria*
fairly common locally in
open parts of barren
- 18465 *Pycnanthemum*

66 *Ceanothus*

67 *Hedysotis caerulea* (L.) T. & G.
under oaks

68

~~single plants or small tufts~~
69 *Phytolacca americana* L.
open barren

70 *Hedysotis purpurea* (L.) T. & G.
disturbed place in clump
of young oaks.

71 *Quercus*

72 *Quercus*

73 *Quercus*

74 *Lespedeza bicolor*

under oaks, disturbed place

75 *Panicum*

under oaks, disturbed place

76 *Panicum*

under oaks, disturbed place

77 *Quercus*

beside # 18473 + # 18479

78 *Quercus*

beside # 18477 + # 18479

79 *Quercus*

beside # 18477 + # 18478

~~80 *Hedysotis caerulea* (L.) T. & G.~~

small ~~clumps~~ loose
clumps from knotted rhizome.

somewhat aromatic, fls.
white or very pale
lavender.

— large clump, 3-4 m. tall.
plants mostly in
fruit, fls. pale lavender
with yellow throat.

— single plants or small
tufts, strictly erect.

— erect from fleshy root,
plant pinkish in most parts.
large clump, fls. lavender
pink.

— small tree, 3-4 m. tall.

— small young tree 3 m. tall
tree 10 m. tall, bark dark
gray, rough.

— erect, roots yellow.

— in fruit only.
culms ascending, clump small

tufts small.

Tree 10-12 m. tall, bark
dark gray, rough, acorns
picked up under ~~oaks~~
Tree where very abundant.

Solomon's Island, mouth of
Patuxent R. Calvert Co.

alt. 0 m. July 26, 1941

~~Brackish water~~

low meadow around brackish
pool.

18430 Juncus

in old road

81 Eupatorium

82 Prunus serotina

83 Sabatia

84 Apocynum cannabinum

85 Juncus

86 Acnida

abundant in mud at
edge of pool, stems reddish

87 Fimbristylis

88 Spartina

89 Halicornia europaea

~~90 Scirpus~~

90 Scirpus
scarce

91

92

93 Paspalum

94 Cyperus

95 Achillea millefolium L.

erect, not quite in flower
— plant somewhat grayish
tree 7 m. tall, fruit red,
— turning black.
— flowers light rose-pink
flo. white, stems red,
— with milky sap.

erect, stems reddish

— erect, common

— erect

erect, ~~stems~~ joints
— green, terete

small clump, plant
— light green
medium clump, ~~plant~~
— inflorescence rather stiff.
— small clump
— culms spreading
— plant aromatic, heads white.

in sand at
top of beach

18496 *Commelina*

97 *Spartina*

98 ~~*Digitaria*~~

99 *Phytolacca americana*

along Tripps Run,
Sleepy Hollow, 1 mi. s. of Falls
Church, Fairfax Co. July 27, 1941
wooded bottom-land.

18500 *Mimulus ringens*
wet place near stream

01 *Impatiens biflora*
muddy place

02 *Asclepias incarnata* var. *pulchra*
wet place near stream

03 *Thalictrum*
wet place near stream

04 *Lilium*
near stream, with #18509

05 *Lilium*
near stream, with #18504

06 *Smilacina*
in edge of woods

07 *Sabbatia*
edge of woods

luxuriantly spreading,
rooting at nodes, fls. blue,
faded by afternoon.

abundant, forming
dense cover on ground.
plant 2 m. tall, fls.
whitish.

erect, up to 1.5 m. tall,
corollas pale violet, with
a yellow patch on the
lower lip in the throat,
very readily caducous.
fls. orange, ^{mottled} deeper inside,
stems translucent.
corolla rose, crown paler

fls. whitish, leaves
glaucous beneath.
perianth copper-color,
with maroon spots
in basal half inside,
recurved.
perianth copper-red distally,
yellow with maroon
spots in center, recurved
fruits green, punctate
with red.
fls. pink

13508 *Zygadenus*

edge of woods

09 *Phlox maculata*
edge of woods10 *Ranuncula*11 *Geum*12 *Cryptotaenia canadensis*13 *Phaseolus*

14

15 *Hypericum*16 *Juncus*17 ~~16~~ *Lilium*18 *Athyrium*19 *Thalictrum*

sterile slope with seedling ferns

20 *Euphorbia*21 *Prunella vulgaris*

fls. white, segments

somewhat greenish at base

stem spotted with dark red,

lvs. somewhat paler beneath,

fls. bright magenta,

paler outside.

plant dark green, when

broken with an unpleasant

oily odor.

petals white

stems prostrate,

spreading, peduncles

erect, fls. brick red,

shading lighter, keel

dark, somewhat twisted

stems prostrate, spreading,

fls. pinkish.

erect, past flowering.

erect, dark green, flowers

with perianth segments

red, with maroon spots

toward center, recurved.

rhizome buried, prostrate

erect at tips.

fls. whitish, lvs. glaucous

beneath, stem decumbent.

plant erect with a whorl

of branches at apex, glands

green with broad white

appendage

fls. violet

18522 *Pycnanthemum*

same loc.

Aug. 10, 1941

disturbed bottom land,

23 *Digitaria sanguinalis* (L.) Scop.24 *Agrimonia*25 *Lobelia inflata* L.26 *Crotalaria sagittalis* L.27 *Oxalis*28 *Polygala*29 *Acalypha*30 *Panicum*31 *Panicum*32 *Polygonum persicaria* L.33 *Acalypha*34 *Hypericum*35 *Cassia*

same loc.

Sept. 7, 1941

sterile old field with
scattered small pines,
gentle slope, red clay soil.36 *Catalpa*37 *Heiracium*38 *Triodia flava*39 *Aristida*40 *Paspalum*41 *Chrysopsis mariana*42 *Galium*43 *Desmodium*

fls. pale lavender

- spreading, decumbent and
- rooting at lower nodes.

- erect, fls. yellow

- erect, fls. pale lavender

- erect, fls. yellow. Possibly
- introduced with lawn grass seed.

- erect, fl. yellow

- fls. magenta

- small tufts

- small tufts

- erect, fls. pinkish but

- dull.

- fls. orange, plant erect.

- fls. yellow, small.

- small, young tree, 3 m. tall.

- fls. yellow

- inflorescence purple, sticky,

- culms erect.

- erect, scattered single plants.

- erect, scattered single plants.

- fls. bright yellow

- erect in grass, roots yellow

- erect from strong tap root,

- fls. dull purplish

- 17544 *Digitaria*
disturbed ground.
- ✓ 45 *Solanum nigrum*
disturbed ground
- 46 *Desmodium*
- 47 *Diodia teres* Walt.
disturbed ground
- 48 *Setaria*
disturbed ground
- ✓ 49 *Lorghastrum nutans*
- 50 *Desmodium*
- 51 *Solidago*
- 52 *Lespedeza*
- 53 *Trichostema*
- ✓ 54 *Eupatorium perfoliatum*
- ✓ 55 *Gnaphalium polycephalum*
- 56 *Lespedeza ~~cuneifolia~~*

Washington, D.C.

cult. E. of Treer Art Gallery

- 57 *Acer nigrum* var.
same loc.
- 58 *Acer nigrum* var.

- clumps spreading
at base, then erect.
berries still green
- large clump, stems
erect, leaves dark
green above, somewhat
glaucous beneath, flowers
bright purple.
fls. pale lavender - pink
- plants spreading at
base, then ascending.
main culms erect,
anthers yellow ^{from heavy tap root}
large clump, stems
spreading, flowers
greenish blue.
erect, flowers yellow
- prostrate, mat-forming,
from strong tap-root,
fls. pink, darker in center.
fls. blue
- erect, fls. white.
- erect, herbage with a
pleasant peppery odor.
erect, fls. pink with
dark centers

Deepy Hollow, along Tripps Run,
1 mi. S. of Falls Church, Fairfax Co.
Sept. 21, 1941

Marshy place along
stream in pasture

18559 Eupatorium
stream bank

60 Cyperus

61 Leersia
stream edge

62 Cyperus
stream bank

63
stream bank

64 Aster

65 Polygonum sagittatum
abundant

66 Polygonum
abundant

67 Polygonum arifolium L.

68 Bidens

69 Lycopodium

70 Asclepias incarnata L.

heads purplish pink,
stems ^{some what} glaucous, not
conspicuously darker at
nodes, with only a
very small cavity, probably
due to insects. Plant 1.5 m.
tall.

small tufts
leaves saw-edged

strong oily odor when
crushed, especially the fruit.
rays pale lavender,
disk yellow, turning red
flower heads reddish
externally
fls. white at apex, green
toward base, plant
ascending
sepals bright red at
apex, greenish below,
main stem reclining,
branches ascending
heads yellow-green
small clump, stolons
filiform.
fruit green, erect

13571

72 *Lespedeza*73 *Eleocharis*74 *Cyperus*75 *Hypericum*76 *Lolium carolinense*77 *Vernonia*78 *Eupatorium coelestinum*

open pasture

79 *Quercus palustris*80 *Quercus*81 *Liriodendron tulipifera*
edge of woods, ~~in~~ ^{by} stream.

same loc.

Sept. 28, 1941

Along shallow ravine in pasture

82 *Polygonum pennsylvanicum* L.

dry place

83 *Aster puniceus* L.near stream, abundant in
damp places, up to 3 m. tall84 *Lolida*

herbage strongly and
pleasantly aromatic.
erect
forming a turf
small tufts hidden
by other plants.
fls. yellow
fruit obovoid, greenish-yellow
erect, fls. deep violet,
involucres purplish-
green, their bracts spreading
or recurved at tips.
leaves with only a faint
odor when crushed, heads
a beautiful lavender-blue.

Tree 20 m. tall, trunk dark
gray, checked, 1 m. thick.
lower branches strongly
deflexed, acorns ^{still green} ~~spec. from lowest~~
Tree 10 m. tall, leaves
gray-green beneath, acorns
still green, spec. from lowest br.
Tree 15 m. tall, fruits
green, erect, sp. from
lowest limbs on sunny side.

erect, flowers pinkish

up to 2 m. tall, rays bright
lavender, disk greenish-yellow.

Infl. flat-topped, heads yellow.

18585 *Lobelia siphilitica*
moist bank

18586 *Botrychium dissectum*
edge of woods, in tangle
of *Lonicera japonica*

✓ 87 *Dulichium arundinaceum*
abundant in desiccating
swampy place

Accotink Creek,

Sept. 28, 1941

18588

open stony creek margin

89 *Cryptotaenia canadensis*
rich ^{wooded} bottom land

90 *Lindera benzoin*
rich wooded bottom land
along stream

91 *Galium circaezans*
rich wooded bottom land

92 *Agrimonia*
rich wooded bottom land

93 *Gratiola*
muddy ^{stony} stream margin

94 *Galium triflorum*
rich wooded bottom land

erect, ~~erect~~ corolla violet,
upper side split to base,
lower side ribbed and stippled
with lavender, filament
column violet, anthers
greenish.

Upper leaf surface and
stipes bronzed.

leaves conspicuously
3-ranked.

small clump, erect, spikes
somewhat drooping
fruits with little or no
odor when crushed.

shrub 3 m. tall, aromatic
when broken; note next
year's flower buds.

erect or ascending, roots
yellowish
erect

apparently perennial,
roots yellow, stems
prostrate or almost
so, resting on other plants

Along Tripps Run, Sleepy Hollow
1 mi. s. Falls Church

Oct. 4, 1941

18595

Aster ericoides

Old field with scattered
young trees

96

Aster

Along abandoned road in
wooded bottom-land

97

Galium

desiccating swamp, edge
of woods

same loc.

Oct. 5, 1941

98

Aster

Old field with scattered
young trees, *Solidago*
most abundant herb.

99

Solidago corymbosa

abundant in old field

18600

Solidago

abundant in old field

01

Gerardia

Old field

02

Smilax rotundifolia L.

Wooded fencerow in low
place, normally moist, in
old field.

rays white, disk yellow,
turning reddish-brown.

rays white, disk yellow,
turning red.

clambering in dense
tangles over herbaceous
undergrowth, flowers
white, 4-parted, roots
fine and fibrous.

rays white, short and
blunt, disk yellow,
turning reddish brown.

just past flowering

just past flowering

corolla rich magenta,
plant dark red-purple
forming dense thorny
tangles, growing from
strong underground
rhizome, this neither
tuberous or aromatic,
berries black, with a
slight bloom, leaves
glossy on both sides,
spines light green, only
blackened at tips

18603 *Pycnanthemum flexuosum*
old field

✓ 04 *Miscanthus sinensis*
old field, only one clump in
neighborhood

✓ 05 *Quercus phellos*
edge of pasture, wooded
fence-row.

06 *Vitis*
~~edge of~~ wooded fence-row

07 *Gentiana*
desiccated low place (ordinarily
moist) in old field, only one
clump seen.

08 *Vernonia*
roadside, ^{recently} ~~recently~~ disturbed

✓ 09 *Quercus stellata*
edge of dense patch of
woods on knoll.

Soldiers Delight

Oct. 19, 1941

10 *Polygonum*

Sleepy Hollow, s. of Falls Church,
Fairfax Co. Va. Dec. 7, 1941
scattered second growth of
pines on worn out old field

11 *Pinus echinata* Mill.

12 *Pinus rigida* Mill.

13 *Pinus pungens* Lamb.

erect, aromatic when
broken

large dense clumps,
culms strictly erect,
spikes somewhat spread-
ing when mature.

Tree 25 m. tall, over 1 m.
thru breast high, bark dark
gray

woody vine, climbing
over small trees, fruit
blue, small, poorly flavored.
plant almost dry when
collected, flowers closed,
violet-blue.

flowers dark red-purple.

scraggly tree 3 m. tall,
leaves somewhat glaucous
beneath.

tree 7 m. tall, open and symmetric, twigs glaucous
tree 8 m. tall, old cones on branches, young twigs
tree 6 m. tall, open, scraggly, spreading

- ✓ Vienna, Fairfax Co. Jan. 8, 1942
 18614 *Haemanthus albiflos* det. C. Hoffm.
 cult in pot in house

✓ Sleepy Hollow Rd. s. of Tripps Run,
 Fairfax Co. Jan. 24, 1942

- ✓ 15 *Pinus rigida* Mill.

Old field, with scattered pines

- ✓ 16 *Pinus virginiana* Mill.

Old field with scattered pines

✓ Lee Blvd. ^{Heights} 1 mi. em. Ft. Buffalo, 3
 Fairfax Co. Mar. 6, 1942

Thin, dry mixed woods

- 17 *Salix humilis* Marsh.

- 18 *Salix humilis*

✓ Sleepy Hollow Apr. 19, 1942
 wooded bottom land, banks of
 small stream.

- 19 *Prunus americana*

- 20 *Amelanchier*

Sleepy Hollow Apr. 24, 1942
^{wooded} wet bottomland along Tripps Run

- 21 *Cerastium*

- 22 *Oenothera*

- 23 *Carpinus caroliniana* var. *virginiana*
 (Marsh.) Torr.

- 24 *Anemone quinquefolia*
 moist wooded bottom, covered by *Lonicera* sp.

bright green,
 bulb above ground, lvs thick,
 fl. white, odorless.

small tree 6 m. tall

small tree 8 m. tall

♀ plants 7-10 dm. tall, small
 ♂ ~~patch~~ colony with ♀ 18617-19

tree 8 m. tall, fls. white

tree 5 m. tall, fls. white
 same tree as *

fls. with petals white, deeply
 bifid, anthers burnt-orange,
 ovary greenish-white, styles erect.
 fls. white, rhizome fleshy,
 somewhat moniliform
 tree 9 m. tall, bark smooth
 lead gray, catkins
 pendent, stamens reddish
 flower white, rhizome white

Slippy Hollow, along Tripps Run

Apr. 26, 1942

~~Wooded~~ pasture, level ground.

18625 *Draba verna*

~~Dryers Creek,~~

Ellendale, Sussex Co., Delaware

May 1, 1942

26 *Euphorbia*

cinders and sand along railroad.

27 *Scleranthus*

weed in cultivated ground

28 *Myrica*

brushy flat sandy land (with 2 following)

29 *Myrica*

with 18628, 18630. brushy flat sandy land

30 *Myrica*

with 18628-18629 brushy flat sandy land

1 1/4 mi. s. of Milton, Sussex Co. Del. May 1942

wooded swamp. abundant

Sphagnum

31 *Arisaema triphyllum* L.

32 *Viola pallens* (Banks) Brainerd. det. T.O.G.

33 *Helonias bullata*

fls. white, pods rather thick.

leaves varying from red to green. caudex, roots vertical, fleshy, sap milky. prostrate, spreading, flowers green.

shrub, m. tall, leaves purple-bronze.

low intricately branched shrub, leafless.

shrub 2 m. tall, branches ascending to erect, leaves almost all gone.

Leaves clear green beneath spathe not fluted outside green with white stripes, hood black-purple within leaves dull, fls. white with black markings in center, lateral petals slightly hairy at base within.

scape erect, fls. pink, pollen blue, plant spreading by short rhizomes

Cedar Creek, 5 mi. e. Milford, Sussex Co.

Del.

May 1, 1942

13034 *Alnus ^{serulata} ~~serotina~~* Willd.

near stream

35 *Alnus maritima*

near stream

Milford, Kent Co. Del. May 1, 1942

36 *Holostium umbellatum*

sandy roadside

Alston Branch of Leipsic R. (Little Duck Cr.)

5 1/2 mi. n. w. of Dover, 1/2 mi. s. Bethel

Kent Co.

May 1, 1942

37 *Cardamine bulbosa*

swamp

38 *Caltha palustris*

swamp (southern limit known in Delaware)

37 *Chrysosplenium americanum*

swamp

40 *Veratrum viride*

swamp

Landon Branch, 3/4 mi. s. of

Blackbird, Newcastle Co. Del. May 1, 1942

41 *Viola triloba*

roadside

42 *Mitchella repens*

swampy woods

43 *Viola cucullata*

Del. C. O. S.

thick woods swamp, near stream, in ^{wet} sand.

small shrub, 2 m. tall.

shrub 2 m. tall, cones ovoid, blackish.

plant erect, leaves glaucous.

from an irregular tuber, calyx green turning yellow, petals white, fls. bright yellow.

plant fleshy

erect, fls. green

fls. deep violet

prostrate, fruit scarlet.

fls. violet

5 mi. s. of Odessa New Castle Co. Del.

May 1, 1942

13644 *Anemone quinquefolia*
roadside cleared in boggy woods.

45 *Viola triloba* ^{Det. Edmonson}
roadside cleared in boggy woods.

Proyers Creek (at Dupont Highway)
New Castle Co. Del. May 1, 1942

46
roadside

47 *Aralia nudicaulis* ^{bark}
steep bank, under trees

48 *Epipagus*
steep bank, under beech trees

49 *Rhododendron nudiflorum*
wooded low hill

50 *Fagus*
steep wooded bank

51 *Antennaria*
bottom of ravine, under
beech trees.

Fiddlers Bridge, 1 mi. s. of
St. Georges, New Castle Co.
Del. May 1, 1942

52 *Vaccinium*
swamp

53 *Caltha palustris*
swamp

rhizome white

fls. deep violet.

slightly bluish green

fls. greenish

dried plants from last year.

fls. bright pink, almost white.
lvs. not glaucous.

from lower n. w. branches.
tree 10 m. tall, bark gray,
fruits spiked up under tree.
fls. whitish.

bush 1 1/2 m. tall, corollas
pendent, white, fragrant,
sprays of branchlets
horizontal.

fls. bright yellow

- ✓ Sleepy Hollow, along Tripps Run
 1 1/2 mi. S. Falls Church, Fairfax Co.
 May 2, 1942

18654 *Fagus grandifolia*
 solitary tree in pasture

- ✓ Accotink Creek, 8 mi. W. S. W. of
 Alexandria, 2 mi. S. W. Garfield, Fairfax
 Co. Va. May 3, 1942.

55 *Podostemum ceratophyllum* Michx.
 abundant on rocks in stream bed.

- ✓ Accotink Creek, 1.5 mi. N. E. of
 Fairfax, Fairfax Co. May 3, 1942
 Rich bottom land, deciduous
 woods with large beech and
 tulip trees.

56 *Stellaria pubera* Michx.

57 *Fagus grandifolia* Ehrh.

58 *Erythronium americanum*

large tree, 20 m. tall,
 bark gray, twigs dark
 brown, staminate heads
 falling, twigs taken
 from lower branches on W.
 side of tree, fruits and
 involucre picked up
 from ground beneath tree.

rhizome black, leaves green

fls. white, petals deeply cleft, styles 3
 large tree, about 30 m. tall,
 trunk 1 m. thick, bark dull gray,
 staminate fls. mostly from
 ground beneath tree, pistillate
 fls. not found ~~in trees~~
 within reach on any
 tree in colony, ~~from~~
~~from~~ involucre from ground
 beneath tree, same colony as 18342.
 fruiting peduncle bent over to ground,
 fruit green, void to trigonum, weakly triangular.

✓ Deeply Hollow, along Tripps Run,
Fairfax Co. May 17, 1942

~~Occlusa~~ ~~sp.~~

- 18659 *Lalvia lyrata*
Occasional in pasture

✓ Top of Brushy Mt., Sevier Co.
Great Smoky Mts. Nat. Park, Tenn.
alt. 1500 m. June 13, 1942

Heath bald, bushy vegetation
1-2 m. tall, mostly Ericaceae.

- 18660 *Rhododendron catawbiense* Michx.

61 *Lycopodium obscurum* L.

62 *Ilex monticola*

63 *Leisophyllum lyoni*

64 *Vaccinium constableri* Gray
(*V. simulans* x *altimontanum*,
hexaploid, fide Camp.)

65 *Viburnum cassinoides* L.

66 *Ribes Aronia melanocarpa* (Mx.) Ell.
det. Mx.

✓ Sevier Co. June 13, 1942
Trillium Gap (Beech Gap), Brushy Mt.
Great Smoky Mts. Nat. Park alt. 1450.

Beech forest, rather open.

67 *Fagus heterophylla* Raf.

erect, corolla lavender,
calyxes maroon above,
green below. Plants
apparently not eaten
by cattle, but with no
strong odor.

shrub 1 m. tall, fls.
rose purple.

shrub 3 m. tall, lvs. rugose.
small rounded clumps,
leaves glossy, dark green,
fls. white.

shrub 2 m. tall, not
especially glaucous.

shrub 1 m. tall, fls.
cream white, odor unpleasant.

slender trees with dark, lead gray bark.
fruiting in upper branches (twigs brownish)

18668 *Fagus heterophylla* Raf.

69 *Rubus canadensis* L. det. M. V.

✓ Trail from Green Brier Cove
up Brushy Mt., Great
Smoky Mts. Nat. Park,
Sevier Co., Tenn. June 13, 1942
Mixed forest 1400 m.

70 *Aristolochia macrophylla*

71 *Acer nigrum* var.

72 *Carex debilis* var. *rudgei* Bailey det. F. J. H.

73 *Carex communis* ~~Bailey~~ Bailey det. F. J. H.

74 *Carex aestivalis* M. G. Curtis det. F. J. H.

75 *Carex radiata* det. F. J. H.

76 *Carex leptoneuria* (Fern.) Fern. det. F. J. H.

77 *Carex aestivalis* M. G. Curtis det. F. J. H.

78 ~~78~~ *Kalmia latifolia*

79 *Prunus pennsylvanica*

80 *Caulophyllum thalictroides*

small colony

81 *Siburnum alnifolium*

82 *Medeola virginiana*

shady bank

small tree shade
leaves collected from
lower branches, same
colony as #18667.
canes high arching,
tips drooping almost
to ground, fls. white.
colony all nearly thornless.

vine climbing over trees
fls. with mottled
brown on green limb,
deep brown center
small sprout, sterile,
lvs. green beneath.
small ~~erect~~ clump, spikes
drooping.
spikes erect

tufts

erect clump,
bush 3 m. tall, fls. pink
slender trees 4 m. tall,
fruit very young.
fruit immature.
shrub 2 m. tall, fruit
immature
fls. greenish, styles brown
shiny ~~and~~ white, fleshy

17633 *Euonymus ovatus*84 *Oxalis montana*
on mossy rocks85 *Dentaria heterophylla* Nutt.86 *Tiarella cordifolia* var. *typica*
on mossy rocks87 *Laxifraga micranthidifolia*
in wet ground in spring88 *Amelanchier laevis* Wieg. ^{alt. 7000}
~~shrub 2 m. tall~~

1300 m.

89 ~~*Asclepias*~~ *Asclepias*90 *Cystopteris fragilis*
on mossy rocks91 *Acer nigrum* var.92 *Acer spicatum*

4100 m.

93 *Lambucus racemosa* L.

1100 m.

94 *Leucothoe catesbeii*
rocky place in woods
bottom of gully95 *Galax aphylla*
commonprostrate, stems green
fls. white, red veinedrhizome green, cylindrical,
crooked, with rough
enlargements.
fls. white

fls. white.

shrub 2 m. tall,
fruit immaturesmall tree 4 m. tall.
many enormous ones in vic.sprout at base of tall
tree, lvs. slightly glaucous
beneath.low sprawling shrub or
tree, racemes erect.shrub 2 m. tall,
infl. convex, fruit immature.sprawling shrub,
fls. waxy, translucent,
whitish. lvs. leathery,
pale beneath.
fls. white, rhizome
fleshy, branched.

900 m.

- 13696 *Lynia ligustrina*
 bushy woods
 97 *Lycopodium tristachyum*
 98 *Gaylussacia ursina*
 99 *Vaccinium simulacrum*
 (near typical acc. Cl. Camp)

850 m.

- 13700 *Rhododendron calendulaceum*
 (approx. *R. cumberlandense*)
 01 *Smilax bona-nox* L. det. C.O.E.
 02 *Rhododendron calendulaceum*
 300 m.
 03 *Halesia carolina* L.
 04 *Hedyotis purpurea* (L.) T. & G.
 05 *Hydrangea arborescens*
 06 *Hedyotis purpurea* (L.) T. & G.
 07 *Calycanthus fertilis* Walt.

- shrub 1 m. tall, fls.
 white.
 spikes erect.
 shrub 2 m. tall,
 fruit immature
 shrub 2 m. tall
 not especially glaucous.

- shrub 1.5 m. tall, fls.
 deep vermillion, not
 esp. glandular. (with #13701)
 vine climbing over
 bushes, fls. yellow-green,
 lvs. glaucous beneath.
 shrub 1 m. tall,
 fls. flame orange,
 glandular. (with #13700)
 tree 3 m. tall, (many
 others many times as
 large) fruit green.
 fls. barely purplish,
 almost white.
 shrub 1 m. tall, fls. white.
 small tufts, fls. pale lavender.
 shrub 1 m. tall, tangled,
 fls. and broken herbage
 aromatic, fls. maroon.
 leaves glaucous beneath.

✓ Silers Bald,
 Stateline Ridge, Great Smoky
 Mts. Nat. Park, North Carol. - Tenn.
 Boundary, 1720 m. June 14, 1942

Open grassy ridge-top.

- 18708 *Osmunda cinnamomea*
 09 *Fagus heterophylla* Raf.
 trees at edge of bald.
 10 *Hedyotis michauxii* Fosh.

- 11 *Aesculus rotunda*
 edge of bald

- 12 *Hedyotis purpurea* (L.) T. & G.

Stateline Ridge, 1 mi. w. of
 Clingman's Dome, etc. 1700 m.
 June 14, 1942

brushy opening on ridge.

- 13 *Acer spicatum* var.?

- 14 *Acer spicatum* var.?

- 15 *Trautvetteria carolinensis* (Walt.) Hall
 under trees

- 16 *Arisaema triphyllum* L.
~~growing~~

Stateline Ridge, 1 mi. e. of
 Silers Bald. alt. 1650 m. June 14, 1942

- 17 *Hedyotis michauxii* Fosh.
 along trail in ~~open~~ opening

- 18 *Diphylleia cymosa* Michx.
 seepy slope below rocky place

- 19 *Hydrophyllum* *Phacelia bipinnatifida*
 open place in woods

erect young plants.
 dwarf tree, 4 m. tall.

loose cushion-like tufts,
 stems erect, fls. clear
 blue with yellow eye.
 tree 5 m. tall, fls. yellow

large tuft, fls. pinkish

shrub 3 m. tall, fls. greenish,
 lvs. very rugose.

fls. white

spathe greenish, mottled
 finely with brown, not fluted,
 leaves not glaucous.

fls. almost white, with
 yellow eye, plants erect.
 flowers white, plants
 5-8 dm. tall.
 fls. deep purple.

- 18720 *Habenaria fimbriata*
openings and under trees
common but mostly in bud.
- 21 *Laxifraga michauxii* Britt.
wet shaded rocks
- 22 *Rhododendron calendulaceum*
bushy opening
- 23 *Vaccinium erythrocarpum*
rocky place, ledges
- 24 *Rhododendron calendulaceum*
bushy opening
- 25 *Fagus heterophylla* Raf. (extreme)
edge of opening
- 26 *Hedyotis michauxii*
wet seepy place
- (27 *Menziesia pilosa*
rocky bushy ridge
- ✓ w. ridge of Clingman's Dome
G. S. N. H. P., N. C. - Tenn. bound.
1911 m. June 14, 1942
- 28 *Hedyotis michauxii*
seepy place
- 29 *Abies fraseri*
rocky slope

plant erect, fls. rose-purple.

leaves purplish beneath,
fls. white, 2 petals narrower.
corolla clear orange, stamens
yellow

shrub 1 m. tall, fls.
purplish.
corolla flame-vermillion
with one inner lobe yellow
(shrub 1.5 m. tall.)
small tree.

erect, fls. blue with
yellow eye.
shrub 1 m. tall, fls. orange-red.
leaves glaucous beneath

loose clumps, plants
erect, fls. blue with
yellow eye.
small tree, 3 m. tall,
others much larger.

Saluda, Polk Co.

June 15, 1942 620 m.

- 18730 *Lepidium virginicum*
vacant lot.
- 31 *Juncus macer* S. F. Gray det. J. H.
vacant lot
- 32 *Carex texensis* (Tuck.) Bailey det. J. H.
vacant lot
- 33 *Hedyotis purpurea* (L.) T. & G.
vacant lot
- 34 *Geranium carolinianum* L.
roadside
- 35 *Commelina communis* var. *ludens*
roadside

1 mi. n.w. of Tryon, Polk Co.

June 15, 1942

all most bare road-cut.

- 36 *Panicum arisae* Penn.
36 *Panicum dichotomum* L. det. J. R. S.
37 *Hedyotis purpurea* (L.) T. & G.

E. slope of Warrior Mt., 2 mi. w. n.w.
of Tryon, Polk Co. N.C. June 16, 1942

Wooded slopes alt. 350-600 m.

- 38 *Crataegus* aff. *C. integrata* det. R. M. V. 350 m.
along old road.
- 39 *Ipomoea pandurata* 400 m.
edge of vineyard
- 40 *Lilaeae Lychnis alba* Mill. 550 m.
weedy roadside
- 41 *Tradescantia* ^{*subaspera* var. *montana*} ~~*palustris*~~ det. J. R. S. 550 m.
shaded roadside
- 42 *Paronychia canadensis* Wood 550 m.
disturbed roadside

tufts

plant in loose spreading
tufts.tufts, stems erect, fls.
lavender pink, throat striped
with deeper color within.
petals whiteplant erect, upper petals
brilliant blue.

small tufts

spikelets purplish
tufts, leaves paler beneath,
fls. lavender pink.

slender shrub 2 m. tall

vine, fls. white.

extensive, decumbent
herb, fls. white.erect, fls. purplish,
fading in afternoon.

- 18743 *Oenothera tetragona*
old road
- 44 *Medeola virginiana*
- (45a *Carex swaninii* det. F. J. H.)
- 45 *Carex virens* det. F. J. H.
old road
- 46 *Zizia aurea* (L. & R.) Britton det. R. M. S.
old road
- 47 *Iris cristata* Ait. det. C. O. S.
side of old road
- 48 *Gillenia trifoliata* (L.) Moench
old roadside
- 49 *Heuchera americana* L.
edge of woods
- 50 *Prunella vulgaris*
old road
- 51 *Panicum brevifolium* Poir. det. J. R. S.
edge of woods
- 52 *Urtica perfoliata*
- 53 *Ulmus fulva* Michx.
- 54 *Astilbe biternata* (Vent.) Britton
talus at side of old road
- 55 *Polygonatum biflorum* det. C. O. S.
edge of woods
- 56 *Cryptotaenia canadensis*
old road
- 57 *Festuca obtusa* Spr. det. J. R. S.
steep slope
- 57 *Botrychium virginianum*
steep slope
- 59 *Arabis*
~~steep~~ steep slope, open forest
- 60 *Smilacina racemosa*
plant arching, fruit purplish

- 600 m. fls. lemon yellow
- 600 m. fls. greenish yellow
stamens and styles reddish.
- 600 m. spreading tufts
- 600 m.
- 600 m. large clump of matted
rhizomes
- 550 m.
- 550 m. clump of matted rhizomes.
- 550 m.
- 550 m.
- 550 m. fruit triangular-obovoid
- 500 m. tree 10 m. tall
- 500 m. rhizome thick, reddish inside,
hard, woody. 1 m. tall.
- 900 m. erect, arching, leaves
glaucous beneath.
fls. white
- 950 m. infl. drooping
- 950 m. ~~fruit~~ fruit withered
- 950 m.
- 950 m.

- 18761 *Lindera benzoin* (L.) Bl.
along stream in gully
- 62 *Adiantum pedatum* L.
along stream in gully
- 63 *Cystopteris fragilis* (L.) Bernh.
wet bank in gully
- 64 *Hydrophyllum canadense* L. var.?
along stream in gully
- 65 *Cyperus hystericus* det. J. H. S.
roadside in vineyard
- 66 *Bromus japonicus* Thunb. det. J. H. S.
roadside in vineyard
- 67 *Paspalum dilatatum* det. J. H. S.
roadside in vineyard
- 68 *Plantago aristata*
roadside in vineyard, abundant
- 69 *Vitis rotundifolia*
woods along road
- 70 *Galium circaezare*
woods along road
- 71 *Lanicula trifoliata* Bicken. det. M. V.
old road
- 72 *Asclepias variegata* L.
small draw
- 73 *Hydrangea radiata* Walt.
edge of woods
- 74 *Scutellaria ovalifolia* Pers.
wooded roadside
- 75 *Hydrangea radiata* Walt.
wooded roadside
- 76 *Vaccinium vacillans* Kalm
thin woods

- 400 m. arching shrub 2 m. tall,
aromatic when broken,
- 400 m.
- 400 m.
- 400 m. [stems with ^{petioles} coarse hairs,
leaves not typical.]
- ~~350 m.~~
400 m.
- ~~350 m.~~
400 m. infl. drooping
- 400 m.
- 400 m.
- 350 m. vine climbing over trees
- 350 m. roots yellow
- 350 m.
- 350 m. fls. white with purple column
- 350 m. fls. white, shrub 1 m. tall.
- 350 m. corolla with lips violet,
tube pale lavender.
- 350 m. fls. white, one or two
marginal ones sterile and
enlarged in one infl., not
in others.
- 350 m. fruits glaucous. lvs.
glaucous beneath, plants 2-3 dm.

- 18777 *Galium*
thin woods
- 78 *Vaccinium stamineum*
thin woods
- 79 *Leiocarpus asteroides* (L.) B.S.P. det. F.B.
thin woods
- 80 *Asclepias tuberosa* L.
roadside

Saddle bet. Warrior Mt. and
Round Mt., 2 mi. w. n. w. of
Tryon, Polk Co. N.C. alt. 600 m.
June 16, 1942

- 81 *Gnaphalium purpureum*
pasture
- 82 *Polygonum hydropiper* L. ^{det. F.B.}
pasture, large colony in low place

Valhalla, 1.5 mi. w. n. w. of Tryon,
Polk Co. N.C. June 16, 1942

- 83 *Medicago arabica* (L.) Huds.
edge of cultivated ground,

Wooded gully 4 mi. w. n. w. of Tryon,
Polk Co. N.C.
June 17, 1942

- 84 *Fagus grandifolia* f. *pubescens*
Deep woods, bottom of gully.

- 85 *Caulophyllum thalictroides*

- 86 *Rhododendron maximum* L.

- 87 *Hepatica Anemone acutiloba* (DC.) Laws.
moist shaded bank.

30 m. large tuft, fls. reddish,
lobes aristate

30 m. bush 1 m. tall, fruits &
lvs. glaucous, fruit pendent.

30 m. rays white, disk purplish

30 m. fls. reddish-orange

erect

erect, infl. drooping

fls. single, yellow,
plant elongate, sprawling

Tall tree, over 5 dm. thru.
specimens from lower branches
leaves glaucous beneath,
fruit immature.
shrub 3 m. tall, fls. pinkish
white.
sterile

- 18788 *Phlox carolina*
clearing on steep slope
- 18789 ~~*Thlaspi pedicellatum*~~ *Schrankia nuttallii*
edge of clearing
- Flat Rock, Henderson Co. N.C.
Flat granite outcrop. June 17, 1942
- 18790 *Pinus strobus* L.
shallow soil, edge of granite.
- 91 *Crataegus flava* Ait. det. McV.
shallow soil pocket
- 92 *Juncus macrocarpa* S.F. Gray det. F.J.H.
shallow black soil
- 93 *Penstemon*
shallow soil
- 94 *Vaccinium vacillans*
shallow soil
- 95 *Carex longii* Mack. det. F.J.H.
~~thin~~ thin soil deposit in depression
- 96 *Erigeron annuus* (L.) Pers. det. R. McV.
shallow black soil
- 97 *Panicum tenueracemoides* det. J.A.S.
thin soil deposit in depression
- 98 *Fernox ~~pauciflorus~~ ^{galeamifolius}*
thin soil deposit
- 99 *Rumex acetosella* det. McV.
thin soil deposit
- 18700 *Veronica peregrina* L. det. McV.
thin soil deposit
- 01 *Sclaginella rupestris*
very abundant on surface of granite
- 02 *Krigia virginica*
rare in small soil pockets
in crevices, etc.

fls. magenta, stems
not conspicuously mottled.
leaves sensitive, fls. lavender.

675 m.

tree 15 m. tall, cones from
ground beneath.
shrub 2 m. tall, fruit green.

tufts

fruit immature

bush 5 dm. tall, glaucous,
fruit immature
dense clumps

rays very pale lavender,
almost white.
tufts

fls. bright yellow

from underground rhizomes

forming extensive mats.

- 18803 *Talinum teretifolium*
crevices and thin soil pocket

~~at~~ around upper millpond,
just s. e. of Flat Rock, Henderson Co. N.C.

675 m June 17, 1942

- 04 *Gaylussacia obovata* (small) Camp
white pine woods
- 05 *Tephrosia virginiana* det. F. J. H.
white pine woods
- 06 *Scutellaria pilosa ovalifolia* Pers.
white pine woods
- 07 *Heeracium venosum*
mixed woods
- 08 *Euphorbia corollata*
mixed woods
- 09 *Stylozanthes ruparia* Kearney det. F. J. H.
white pine woods
- 10 *Stipa avenacea* L. det. F. J. H.
~~mixed woods~~, white pine woods
- 11 *Pyrola pubera*
mixed woods
- 12 *Rhododendron nudiflorum*
mixed woods
- 13 *Gaultheria procumbens*
mixed woods
- ~~14 *Galium*~~
- 14 *Galium trifidum* var. *tinctorium*
edge of pond, in mud
- 15 *Ligustrum sinense* Lour.
small ravine in woods
- 16 *Chimaphila maculata*
- 16a *Alnus serrulata*? edge of pond shrub 2 m. tall
- 17 *Hedysotis purpurea* (L.) T. & G.
common in woods

fls. bright rose pink, stamens
yellow, about 15, leaves terete.

leaves dark green, glossy
above, fruit immature
standard cream, keel
bright crimson.
fls. purplish, lower side
of tube whitish.
leaves somewhat marked
with red, fls. yellow.
fls. white, latex abundant.

plant prostrate, fls. yellow.
root deep, tough.
solitary stems

shrub 1.5 m. tall, leaves
dark green, only rachises left
of racemes.

shrub 1 m. tall,
prostrate, budding
infl. erect, leaves with
wintergreen odor when broken
fls. white, 3 parted.

apparently established,
slender shrub 3 m. tall, fls. white.
fls. white, lvs. dark green,
variegated.
fls. pale lavender.

- 18918 *Galax aphylla* L.
mixed woods
- 19 *Vaccinium stamineum*
low wet woods
- 20 *Rhododendron viscosum*
edge of pond
- 21 *Carex lurida* Walp. det. F. J. H.
boggy ground
- 22 *Ilex verticillata*
close to pond, wet ground
- 23 *Castanea pumila* Mill.
low wet ground
- 24 *Smilax rotundifolia* L. det. C. O. C.
low wet ground in woods
- 25 *Cornus amomum* Mill.
low boggy ground.
- 26 *Juncus effusus* var. *solutus* F. & W. det. F. J. H.
marsh
- 27 *Carex swanii* (Fern.) Mack. det. F. J. H.
low boggy ground
- 28 *Sisyrinchium angustifolium* det. C. O. C.
low boggy ground, only one seen.
- 29 *Carex debilis* Michx. det. F. J. H.
low boggy ground
- 30 *Panicum microcarpum* Muhl. det. J. R. S.
low boggy ground
- 31 *Anthoxanthum odoratum*
low ground
- 32 *Rubus hispidus* L. O. K. McV.
low ground
- 33 *Panicum clandestinum* L. det. J. R. S.
low ground

spike erect, fls. white.

shrub 1 m. tall, fruit
pendent, immature, fruit
and leaves glaucous.
shrub 3 m. tall, bud only.

clumps, fruit green.

shrub 1.5 m. tall, leaves
dark green, rugulose.
fls. white

slender shrub 4 m. tall.

leaves green beneath, fruit
green.

shrub 2 m. tall, fls. whitish.

small clump

spreading weak plant

roots yellow.

plants prostrate, with a
tuber at base of stem, fls. white.

- 18834 *Glyceria striata* (Lam.) Hitchc. ^{det. J. H. S.}
in mud
- 35 ~~mixed~~ *Monotropa hypopitys* ^{det. M. C. V.}
under oak trees in
mixed woods.
- 36 *Renoultia catesbaei*
edge of pond, abundant
- 37 *Carex swanii* (Fern.) Mack. ^{det. F. J. H.}
partly submerged
- 38 *Carex allegheniensis* Mack. ^{det. F. J. H.}
growing in water
- 39 *Xanthorhiza simplicissima* Marsh.
woods near pond
- 40 *Malaxis unifolia* Michx.
mixed woods
- 41 *Euonymus*
low ground
- 42 *Danthonia compressa* Austin ^{det. J. H. S.}
~~low ground~~ mixed woods
- 43 *Vaccinium vacillans*
mixed woods
- 44 *Carex folliculata* L. ^{det. F. J. H.}
edge of pond
- 45 *Ludwigia palustris*
edge of pond
- 46 *Danthonia spicata* (L.) Beauv. ^{det. J. H. S.}
low ground L. ^{det. M. C. V.}
- 47 *Rubus hispidus*
slope in mixed woods
- 48 *Carex crinita* Lam. ^{det. F. J. H.}
edge of pond
- 49 *Renoultia catesbaei*
edge of pond
- 50 *Lyonia ligustrina*
edge of pond

- inflorescence drooping
- small clumps, brownish,
odorless.
- weak shrub, leaves
leathery
- shrub 5-8 dm. tall,
wood and inner bark
bright yellow.
- green stemmed shrub, up
to 1 m. tall, fls. greenish
- ~~fruits are~~ immature fruits
and leaves slightly glaucous.
- prostrate, forming a loose mat
- prostrate
- small clump, spikes
drooping
- spreading shrub,
leaves leathery
- shrub 1.5 m. tall,
fls. white

✓ Pacolet River, just below
Valhalla, 1.5 mi. n. w. of Tryon.
Polk Co., N.C. June 18, 1942

Wooded bottom lands and
cultivated fields.

18951 *Gleditsia triacanthos*
solitary tree in field.

52 *Amaranthus spinosus*
edge of cult. field.

53 *Plantago rugelii* Deane.
edge of field.

54 *Bromus commutatus*
edge of field

55 *Salix*
edge of field, along river

56 *Arundo donax* L.
along ditch, edge of field.

57 *Vitis labrusca* L.
bank of river

58 *Vitis vulpina* L. (*V. cordifolia* Lam.)
bank of river

59 *Morus rubra* L.
edge of woods, base of hill

60 *Asimina triloba*
edge of woods, base of hill

61 *Vitis vulpina* L. (*V. cordifolia* Lam.)
bank of river

62 *Rhus glabra*
thicket

63 *Arisaema dracontium*
shaded place near river

tree 12 m. tall, ~~in field~~
branched thorns on trunk
- fruit immature
stem juicy

tree 5 m. tall

canes 5 m. tall, old ones
which have flowered
branching.

woody vine climbing
- in trees, fruits immature

woody vine, climbing
- in trees, fruits immature.

small tree, fruit immature

small, few-branched tree,
fruits irregular, immature.

woody vine, climbing
over trees.

shrub 3 m. tall, fls. yellow

plant about 1 m. tall

18864 *Juglans cinerea*

65 *Cyperus globulosus* Aubl. det. F. J. H.
sandy ground

66 *Duchesnea*
shaded ground

67 *Parthenocissus quinquefolia*

68 *Haleaia* ~~to~~ *carolinensis*

69 *Elymus virginicus* var. *glaberrimus* det. F. J. H.
edge of woods

70 *Oenothera laciniata* Hill
open pasture

71 *Campsis radicans*
fence around pasture

72 ~~Thalictrum~~ *Teucrium canadense* L.
weedy bank of ditch

Wooded hill, ^{just} north of Pacolet River,
~~to~~ below Valhalla, 1.5 mi. n. w.
of Tryon, Polk Co. N. C.

June 18, 1942

sterile hilltop, mixed
woods.

73 *Symplocos tinctoria* (L.) B. & H.

74 *Quercus marilandica* Muench.

75 *Vaccinium pallidum* Mill.

tree 10 m. tall, very glandular
and sticky, fruit immature.

prostrate, fls. yellow,
fruits red, fleshy, seeds ^{on surface} loosely attached
woody vine climbing
in trees.

tree 6 m. tall, fruits
pendent green, leaves glaucous
beneath.

fls. yellow, mostly faded
at 1 p.m.

vine, extensively climbing,
fls. brilliant scarlet,
orange outside.
fls. lavender

shrub 2 m. tall, fruit immature.
shrub 2 m. tall.

~~shrub~~ arching shrub
about 3-4 dm. tall, slightly
glaucous, fruit immature.

Pacolet River Valley, 3^{3/4} mi. w. of
Tryon, Polk Co. N.C. 300-400 m.
June 19, 1942

- 18876 *Osmorhiza claytoni*
Old road in woods
- 77 *Salvia lyrata*
Old road in woods
- 78 *Stachys latidens* Small
along trail in sunny clearing
- 79 *Medicago lupulina*
railroad embankment
- 80 *Helenium tenuifolium*
railroad embankment
- 81 *Zizia aurea* (C. & R.) Britt. det M. V.
steep wooded slope
- 82 *Galium circaeazans* Michx.
steep wooded slope
- 83 *Passiflora incarnata*
clearing in valley bottom
- 84 *Ipomoea coccinea* L.
clearing in valley bottom
- 85 *Diodia virginiana*
road cut.

- ✓ Lower Fall Creek ~~gully~~ gulch,
Pacolet River Valley, 4 mi. w. of
Tryon, Polk Co. 500 m. June 19, 1942
- 86 *Orchis spectabilis*
deeply wooded slope
- 87 *Asplenium platyneuron*
deeply wooded slope, on small rock, very rare.

root sweet-smelling

fls. reddish purple.

large plants forming
tangled mats, fl. yellow.
fls. yellow

fruits immature

roots yellow

herbaceous vine, fls. with
greenish perianth, purple
corolla, white banded at
base, style and stamens greenish.

herbaceous vine, fls.
brilliant scarlet.

plant prostrate, fls.
white, 3-4 parted.

past flowering

- 18888 *Dryopteris hexagonoptera*
~~densely~~ densely wooded slope
- 18889 *Viola tripartita* Ell. var. *glaberrima* (Gray) Harp.
 densely wooded slope
- 90 *Calycanthus nanus*
 densely wooded slope
- 91 *Cynoglossum virginicum*
 densely wooded slope
- 92 *Botrychium virginianum*
 densely wooded slope
- 93 *Magnolia acuminata*
- 94 *Sisyrinchium albidum* Raf. det. C.O.C.
- 95 *Cypripedium calceolus* var. *pubescens*
- 96 *Tharella cordifolia* L.
- 97 *Ranunculus recurvatus* Poir. det. F.J.H.
 flat grassy place
- 98 *Carex swanii* (Fern.) Mack. det. F.J.H.
 flat grassy place
- 99 *Lamella canadensis* L. det. M.V.
 flat grassy place
- 18900 *Galium triflorum* Michx.
 flat grassy place
- 01 *Panicum boscii* det. J.R.S.
 flat grassy place
- 02 *Circaea quadruncata* var. *canadensis*
 flat grassy place
- 03 *Geum canadense* Jacq. det. M.V.
 flat grassy place.
- same loc. :
 Wet rocky gorge below waterfall
- 04 *Troutvetteria carolinensis* (Walt.) Vail
- 05 *Polypodium vulgare* L.

Only the taller fronds fruiting
 stem erect, no flowers.

shrub, 1 m. tall, fragrant
 when broken, fls. maroon, fragrant

fruits withered

tree 10 m. tall, fruits green.
 leaves glaucous beneath.
 tufts, fls. white

weakly ascending

erect, top arching, stiff.

fls. white

fls. white

fls. white

17906 *Thalictrum clavatum* DC. det. F.J.H.

07 *Mitchella repens* L.

08 *Carex radiata* (Wahl.) Dewey det. F.J.H.
shaded under bushes

09 *Xanthoxiza simplicissima* Marsh.

10 *Asplenium trichomanes* L.
tuft on rock

11 *Hedyotis purpurea*

12 *Rhododendron minus* Michx.?
sides of gorge

13 *Viburnum acerifolium*

same loc. Tryon Reservoir 6000 ft.
marshy border of reservoir.

14 *Carex scabrata* Schwein. det. F.J.H.

15 *Panicum sphaerocarpon* Ell. det. F.J.H.

16 *Agrostis alba* L. det. J.R.S.

17 *Poa compressa* L. det. J.R.S.

18 *Scirpus polyphyllus* Vahl det. F.J.H.

19 *Carex lundae* Wahlenb. det. F.J.H.
abundant

20 *Isoetes*
in shallow water

21 *Solidago arguta* Ait. (narrow leaf) det. S.F.H.

22 *Juncus debilis* Gray det. F.J.H.

23 *Sagittaria latifolia* var. *pubescens* det. F.J.H.
in shallow water

24 *Eleocharis obtusa*

sandy beach

25 *Carex scoparia* Schkuhr det. F.J.H.

26 *Juncus acuminatus* Mx. det. F.J.H.

fls. with conspicuous
white ^{clavate} stamens
prostrate, fls. white.

weak shrub, 5-6 in. tall
yellow when broken

fls. pale pinkish-lavender
drooping shrub.

shrub 2 m. tall, fruit immature

small clumps, infl. erect
panicle purple.
clump, infl. erect.

small clump, heads very immature.
clumps, spikes drooping

leaves straight, almost
erect, protruding above water
fls. ~~sage~~ yellow

petals white

clump, spreading, heads
yellowish green.

- 18927 *Juncus marginatus* Roth. det. F. J. H.
 28 *Juncus effusus* var. *solutus* det. F. J. H.
 29 *Juncus acuminatus* det. F. J. H.
 30 *Lysimachia quadrifolia*
 31 *Hypericum punctatum* Lam. det. M. H.
 32 *Juncus acuminatus* Michx. det. F. J. H.
 33 *Linum striatum*
 moist ground, above road.
 34 *Carex vulpinoidea* Michx. det. F. J. H.
 35 *Sagittaria latifolia* var. *pubescens* det. F. J. H.
 shallow water
 36 *Oenothera tetragona*
 37 *Lysimachia quadrifolia* L.
 38 *Arisaema atrorubens*
 39 *Salix sericea* Marsh. det. C. R. Ball
 40 *Polygala polygama* Walt. det. S. F. Blake
 41 *Ranunculus recurvatus* det. F. J. H.
 42 *Rudbeckia monticola* Small S. F. Blake
 43 *Eriogonum strigosum*
 44 *Asclepias tuberosus*
 45 *Tsuga canadensis*
 edge of woods above water
 46 *Panicum ashei* Pearson det. J. R. S. Waller
 disturbed ground at end of dam.
 47 *Panicum commutatum* Schult. det. J. R. S.
 disturbed ground at end of dam
 48 *Panicum dichotomum* L. det. J. R. S.
 disturbed ground at end of dam
 49 *Solidago arguta* Ait. (var. *viridifolia*) det. S. F. Blake
 disturbed ground at end of dam

small tufts, infl. yellow.
 abundant
 flo. yellow
 in bud only.
 lvs. terete

clump, stems weak
 petals white

fls. yellow
 fls. yellow, reddish
 around stamens.
 leaves glaucous beneath,
 spathe green.
 shrub 3 m. tall, leaves
 glaucous beneath.
 flo. magenta
 fruit only, ~~achenes~~ achenes loose.
 rays yellow, disk dark
 brown, almost black.
 rays white, disk yellow-green.
 flo. red-orange
 large tree, 25 m. tall, cones
 pendent, blue-green

fls. yellow.

S.C.
 mallow creek, 1/2 mi. s. of
 Campobello, Spartanburg Co. S.C.

230 m

June 20, 1942

~~18950~~

~~old~~ wet ground along rivulet
 in bottom of old dirt quarry

18950 *Juncus debilis* Gray det. F. J. Hermann51 *Juncus squarrosus* Michx. det. F. J. H.~~52 Paspalum~~52 *Juncus marginatus* Roth. det. F. J. H.53 *Agrostis hiemalis* (Walt.) Desf. det. F. J. H.

bottom lands along creek,
 scattered woods and
 open marshes

54 *Ptilimnium capillaceum* (Michx.) Raf. det. F. J. H.

shaded grassy place

55 *Paspalum laeve* Michx. det. F. J. H.56 *Carex lupulina* Muhl. det. F. J. H.

muddy place

57 *Carex vulpinoidea* Michx. det. F. J. H.58 *Nyssa sylvatica*59 *Galium pilosum* Ait.

dry grassy slope

60 *Clematis viorna*

dry grassy slope

61 *Linaria canadensis*

dry grassy slope, partly shaded

62 *Sagittaria latifolia* Willd. var. *pubescens* det. F. J. H.

muddy place

63 *Polygonum sagittatum*

muddy place

64 *Plantago major* L.

dried mud

65 *Cornus amomum* L.

edge of river

hairs glistening white.

fls. white

tree 7 m. tall.

fls. reddish, lobes apiculate

vine prostrate on ground.

fls. purple, fleshy.

petals white

elongate, fls. white.

leaves flat on ground

tree-like shrub 4 m. tall
 fruit green.

- 13966 *Eryngium prostratum* Nutt. det. N.S.
silty soil
- 67 *Cornus foemina* Mill.
- 68 *Lisyrhynchium angustifolium* L. det. S.G.
sandy flat
- 69 *Cephalanthus occidentalis* L.
muddy place, abundant
- 70 *Nuphar advena* (Ait.) Ait. f.
in muddy pond
- 71 *Eleocharis obtusa* det. F.J.H.
wet sandy ground
- 72 *Sparanium americanum* Nutt. det. F.J.H.
in shallow muddy pond
- 73 *Rosa palustris*
edge of marsh
- 74 *Oxalis stricta* L.
sand flat
- ~~75 *Quercus stellata*~~
- 75 *Scirpus validus* Vahl det. F.J.H.
edge of pool beneath bridge
- 76 *Helianthus tenuifolius*
moist sandy place
- dry old ~~field~~ ^{pasture} with scattered trees, *Rubus* and *Alnus* bushes.
- 77 *Paronychia fastigiata* Fern.
under large isolated tree
- 78 *Cocculus carolinianus*
Rubus thicket
- 79 *Quercus stellata*
- 80 *Cyperus filiculmis* Vahl det. F.J.H.
dry slope
- 81 *Quercus falcata*

- ~~the~~ plant prostrate.
heads bluish.
shrub 3 m. tall, fruit green.
fls. blue.
- shrub 1 m. tall, fls. white.
fls. yellow
- shrub 2 m. tall, fls. rose pink
- culms cylindrical
fls. yellow
- tangled vine climbing over bushes
buds white.
tree 6 m. tall, leaves bluish
beneath.
- Tree 10 m. tall

1940

- 18982 *Delphinium ajacis*
thicket, shaded
- 83 *Vaccinium arboreum* Marsh.
edge of thicket
- 84 *Platanus occidentalis*
- 85 *Specularia perfoliata* (L.) A. DC.
under large tree
- 86 *Arenaria serpyllifolia* L.
under large tree
- 87 *Trifolium arvense* L.
side of railroad clearing
- 88 *Crataegus uniflora* Muenchh. det. M. V.
railroad clearing
- 89 *Vicia dasycarpa* Ten. det. F. J. H.
railroad clearing
- 90 *Agrostemma githago*
roadside
- 91 *Tephrosia spicata* (Walt.) T. & G. det. F. J. H.
roadside

Campbell Co, Spartanburg Co. N.C.

2-10 m.

June 21, 1942

- Vacant lot
- 92 *Rubus ulmifolius*
sunny ~~lot~~ dry place.
- 93 *Hedysotis canadensis*
shade of large tree
- 94 *Stylosanthes riparia* Kearney

- color of flowers from white to pink to violet.
- shrub 2 m. tall, not glaucous, fls. white, unicolate.
- large spreading tree, 15 m. tall.
- erect

forming a dense ground cover.

- shrub 1 m. tall, fairly
-abundant and uniform.
vine climbing on Rubus
plant dried

buds yellow, turning dark red, open flowers pale pink.

- low arching bushes, 4-5 dm.
tall, ~~fls~~ floricanes rooting
- at tip, flowers pink.
fls. lavender - pink.

plant ascending, fls.
yellow

Tryon, Polk Co. N.C. June 21, 1942

Railroad embankment

- 18995 *Coreopsis major* Walt. var. *stellata* (Nutt.) Hoff.
 96 *Eragrostis pectinacea* (Michx.) Nees
 97 *Euphorbia corollata* L. ^{det. J.E.S.}
 98 *Eragrostis ciliaris* (All.) Link ^{det. J.E.S.}
 99 *Achillea millefolium*
 19000 *Croton glandulosus* L. ^{det. McV.}
 01 *Polygonum convolvulus* L. ^{det. McV.}
 02 *Euphorbia maculata* L. ^{det. McV.}
 03 *Chenopodium boreale*
 04 *Echium vulgare*
 05 *Setaria viridis* (L.) Beauv. ^{det. J.E.S.}

✓ Sleepy Hollow, 1 mi. s. Falls Church,
 Fairfax Co. Va. June 30, 1942

- 06 *Trifolium repens* L.
 lawn. planted this year.

✓ 1 mi. n.e. Cherrydale, s. of Windy
 Run, near Potomac R., Arlington Co.
 Wooded slope alt. 60m. July 26, 1942

- 07 *Fagus*

08

- 09 *Coreopsis*
 bushy clearing

- 10 *Passiflora lutea* L.
 bushy clearing

Sleepy Hollow

- 11 *Panicum gattingeri* Nash

July 26, 1942

- fls. yellow
 - tufts spreading
 - prostrate, sap milky
 - tufts spreading
 - rays white
 - erect
 - vine, fls. white.
 - plant arching, ascending
 - plant branched, 3 dm. tall,
 flowers blue, fading pinkish

fls. rose pink

- tree 10 m. tall, 2 dm. through,
 bark dark brownish gray,
 (specimens from near top)
 - herbage with turpentine
 odor, fls. white
 - up to 3 m. tall, rays yellow

- vine climbing on bushes and weeds,
 fls. pale yellow.

weed in driveway

3 mi. s.e. Rockville, wooded
knolls n.e. of Rock Creek,
Montgomery Co. alt. 85 m. July 26, 1942
~~19012~~ Thick woods, soil evidently
somewhat acid.

19012 *Circaea quadrangulata* var. *canadensis*
rich low place

13 *Lactuca*

14 *Tipularia discolor* (Pursh) Nutt.

15 *Pyrola elliptica*

16 *Hedysotis*

17 *Malaxis unifolia*

18 *Pyrola* ^{*rotundifolia* var.} *americana* (Sweet) Fern.

19 *Pyrola chlorocaulis* var. *viridis* Schuyler

20 *Galium pilosum*

21 *Chimaphila umbellata* ^{var. *umbellata*}

22 *Carex*

23 *Mitchella repens* L.

24 *Lobelia spicata* var. *scaposa* M. V.

25 *Lycopodium complanatum* L.

26 *Pyrola secunda*

27 *Goodenra pubescens*

28 *Fagus grandifolia* Ehrh.

29 *Monotropa uniflora*

30 *Chimaphila maculata*

31 *Lycopodium lucidulum*

32 *Quercus imbricaria*

edge of woods

abundant locally
in depressions.

- plant 2 m. tall, fls. yellow
plants scattered in woods,
tubers grayish white,
flowers greenish brown.
leaves light green.
fruits green.
- small tufts, fls. pale
lavender.

- fls. green
leaves bright green, fruit green,
leaves somewhat bluish green.

- fruits green.
plant ascending, roots yellow

- fruit immature
culms spreading, weak.

prostrate, fruit immature,
old fruit scarlet.

leaves flat on ground, scape
ascending

- stem prostrate, fruit erect.
leaves rather pale green, fruit green.

leaves gray, ^{seems white} ~~very pale~~, flowers
white.

- tree 10 m. tall, bark brownish green, f. from lower branches
plant translucent white, almost odorless.

leaves gray-green, white along midrib.

humus at base of tree

tree 3 m. tall, leaves green beneath

✓

Deeply Hollow, s.e. Falls Church
along Trappe Run, Fairfax Co.
Sept. 1

garden

19033

Trichostema dichotomum L.
weed

34

Browallia

cult.

15

Digitaria filiformis

det. R.S.

weed

34

Digitaria sanguinalis

det. R.S.

weed

flowers purple

fls. blue, with yellow and
white center





